

Resource Summary Report

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Koch Institute at MIT Data Science and Multimodal Integration Core Facility

RRID:SCR_017894

Type: Tool

Proper Citation

Koch Institute at MIT Data Science and Multimodal Integration Core Facility
(RRID:SCR_017894)

Resource Information

URL: <https://ki-sbc.mit.edu/dsmi>

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Description: Core provides central hub to help leverage bioinformatics and data science methods in research projects. Services include Transcriptomics: bulk RNA-Seq, single-cell RNA-Seq, and spatial RNA-Seq; Genomics: SNP, structural variants (SV), and copy number variation (CNV) analyses; Regulatory genomics: ChIP-Seq, ATAC-Seq, CUT&RUN, and Hi-C; Functional genomics: CRISPR-based loss-of-function screens; Image and metadata analysis: AI/ML-based approaches including knowledge graphs. Offers training, education, collaboration, consultation, custom guidance on study design and analysis approaches. Provides classroom and custom training sessions on computational, data science, bioinformatics topics, tailored workshops for requested specialized topics. Offers technical infrastructure and support, computing resource optimization and facilitation, bioinformatics software deployment (conda environments and Docker containers), version control and reproducible science (Git repositories), data management support and submission to public repositories.

Synonyms: Barbara K. Ostrom Bioinformatics Facility, Data Science & Multimodal Integration Core (DSMI), The Barbara K. Ostrom (1978) Bioinformatics and Computing Facility, Bioinformatics and Computing Core

Resource Type: access service resource, core facility, service resource

Keywords: Data Science, Bioinformatics, support, training, data, analysis, storage, service, core, ABRF, USEDit

Availability: Restricted

Resource Name: Koch Institute at MIT Data Science and Multimodal Integration Core Facility

Resource ID: SCR_017894

Alternate IDs: SCR_017155, ABRF_769

Alternate URLs: <https://coremarketplace.org/?FacilityID=769>

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Ratings and Alerts

No rating or validation information has been found for Koch Institute at MIT Data Science and Multimodal Integration Core Facility.

No alerts have been found for Koch Institute at MIT Data Science and Multimodal Integration Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.